



New York City Alternate Fuels Program

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Municipal Fleet

- Local Law required use of AFV's since 1993
- Over 2600 city fleets vehicles in use today
- CNG sedans, vans and trucks
- Electric Sedan, vans , and trucks
- Hybrid electric Sedans (local law unlike EPACT allows for hybrid electric sedans)

Ethanol

- DOS operates 166 E85 capable light duty vehicles.
- Additional 144 being delivered this year.
- Opened first E85 site in the Bronx in 2001
- Additional 4 E85 sites to be operational citywide by 4th Quarter 2002.

NY City CNG Station Development

- Funding through Federal Consent Decree
- 7 New CNG stations
 - 1 Large facility for DOS trucks
 - 3 medium sized sites at City depots
 - 3 Sites at Existing Gasoline Retail locations.

New CNG Stations

- DOS Facility 2X400 SCFM located at Central repair shop. For compactor trucks
- 3 City owned facilities
 - increase fuel use in bi-fuels
 - easier to require dedicated CNG
- 3 Public facilities
 - partnership with Kingdom Group
 - encourages private fleets/taxis.

New York City DOT Natural Gas Bus Program



- Total Fleet Size 1291 in 7 Depots
- 9th Largest Fleet in North America
- 352 CNG Buses added since 1994
- 28% CNG busses
- Goal=No New Diesels

CNG Bus Depots

- 2 Facilities Queens Surface 147 CNG buses, Command Bus 111 buses built for CNG.
- Triboro Coach has CNG fueling and 96 buses, needs facility mods. In design phase
- NY Bus in final design for facility and station
- Jamaica and Green Bus scheduled for design

Department of Sanitation

Dedicated Compactor Trucks

- DOS 16 CNG Compactor Trucks and 9 Sweepers in Operation. All dedicated with 50 DGE of CNG.
 - 6 Crane Carrier with Cummins L10 engines
 - 5 Crane Carrier with Det. Diesel Series 50
 - 5 Crane Carrier with Cat 3306

CNG Truck Experience.

- Performance “Positive Experience”
- Quieter operation
- Problems included parts maintenance for diverse test fleet and costs of equipment
- Fueling “loss of productivity”
- DOS buying 10 new Mack dedicated E7G trucks this year.

DOS Sweeper Program

- DOS operate 5 CNG sweepers (brooms)
Johnston Sweepers with Series 30 engines
- Awaiting delivery of 4 Johnston brooms
with Cummins 5.9 engines.
- Positive experience and positive reception

Electric Delivery Truck



- 2 Trucks in service with USPS
- designed for urban driving
- speed = 40mph
- range = 40 miles
- USPS ordered 20 additional vehicles

Funding

- CMAQ - Majority
- DARPA-EV development
- Federal Consent Decree-Stations
- USDOE-Demos
- NY State Bond Act-Buses

Goals...Next Steps

- Keep the cup /coconut half full..setbacks are common
- Upgrade key sites to 3600
- Expand infrastructure
- Role of utilities?



CONTACT



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